

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 31st Year

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CODIFICATION OF PRB-1 AS WISCONSIN LAW

AB-368 has committee hearing

Assembly Bill 368, which would codify the Federal Communications Commission's Doctrine of Limited Preemption over local tower laws in Wisconsin, had a public hearing before the Assembly Committee of Local and Urban Affairs May 15.

The committee heard testimony of several bills.

Speaking in favor of AB368 or signing in favor of the bill were Rep. Joan Wade (who had the bill drafted); Jim Lackore, AD9X; Stan Kaplan, WB9RQR; Steve Polishinski, WB9YSD; Jim Romelfanger, K9ZZ, and Paulette Quick, WB9VHF.

Appearing to register in favor were John Welty; Sen. Rick Grobschmidt; Sam Rowe, KG9NG; Donald Evenson, K9JYX; and Sen. Fred Risser.

Appearing against was Richard Lehman, of the American Planning Association.

Registering against were Tom Harnisch of the Wisconsin Towns Association, and J.F. Fleming, of the City of Milwaukee.

Rep. Terese Berceau, of the committee, asked to be shown Amateur Radio tower installations, and Jim Lackore, AD9X, offered to assist at her convenience.

As this is written, it's not known when the committee will next meet. It's as time allows, and June is a session month.

As the public hearing has been held, the committee could conceivably vote on AB368 as soon as their next meeting, but we must wait as the process moves along.

Current updates are posted at the BSSS web site, www.bsss.org.

In Congress

H.R. 783: The Amateur Radio Spectrum Protection Act

A bill in the House of Representatives in Washington, H.R. 783, The Amateur Radio Spectrum Protection Act, would amend the Communications Act to require the FCC to provide "equivalent replacement spectrum" to Amateur Radio and the Amateur Satellite Service in the event of a reallocation of primary amateur allocations, any reduction in secondary amateur allocations, or "additional allocations within such bands that would substantially reduce the utility thereof" to amateurs.

You can get the complete text of the bill and lots of background at: <http://www.arrl.org/govrelations/hr783.html>.

Also see my "Spectrum Allocation" note on W9IXG's eboard page.

The House sponsor of the bill is Rep Michael Bilirakis (R-FL); Senator Michael

Crapo (R-SD) has introduced a companion bill in the Senate (S. 549).

Two Wisconsin Representatives have "signed on" as cosponsors: Rep Ron Kind (D-3rd) and Rep. Tammy Baldwin (D-2nd).

FLARC members sent a petition to Rep. Baldwin Tammy a month or so ago regarding this legislation.

I encourage Wisconsin amateurs to write, email, call, or contact in person if possible, their representatives and senators, to ask for their support of of H.R. 783/S.549.

I have contacted Wisconsin's senators, Russ Feingold and Herb Kohl on this matter, but have not yet received a response.

*Jim Lackore, AD9X
Section Government Liaison
Wisconsin Section ARRL*

SUBMARINES ON THE AIR DAY/2001

ManCoRad/W9DK aboard the Cobia: a three-peat?

By Fred Neuenfeldt, W6BSF



Tom, K0EFV, and Travis, KB9YRC, pause for a pose on board the Cobia.

Photo by Fred Neuenfeldt, W6BSF

Boy, the time flies! Here it was, April 27, and time again to set up the antennas on board the WWII submarine U.S.S. Cobia in Manitowoc for the annual Memorial Submarine Radio Reactivation Weekend, held the last weekend of April by the Submarine Veterans Amateur Radio Association.

A few of us club members met on Friday at 2 p.m. aboard the submarine, and we spent an hour assembling and erecting the Cushcraft R-7 vertical and our 2 end-fed

coaxial dipoles (one for 20 and one for 40).

As we left the sub, we could feel the anticipation was building for our on-the-air weekend. And the weather report showed a great weekend ahead.

Saturday morning came in a hurry. A bunch of us met for an early breakfast to discuss last-minute details. Then at 8 a.m., we all converged on the on the sub to unload all of the gear and lower it down the hatch. By 8:30 a.m., we were ready and on the air

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FIELD DAY 2001 ■ SATURDAY AND SUNDAY, JUNE 23 AND 24
See QST for rules and details.

A Satisfying Hobby





WHAT'S HAPPENING

Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901 • kebnetter@palacenet.net

Swapfests And Other Social Events

SATURDAY, JULY 7, 2001 Swapfest 01 South Milwaukee Amateur Radio Club American Legion Park, Oak Creek Info: Verne at (414) 762-3235

SUNDAY, JULY 8, 2001 Will County Fairgrounds, Peotone, IL. Contact: karsfest@yahoo.com or www.w9az.com.

SATURDAY, AUGUST 11, 2001 Circus City Swapfest Sauk County Fairgrounds, Baraboo, WI 7 a.m. until noon Info: Steve, N9UDO, 608.356.2313 or <mailto:n9udo@arrl.net> or Bill, N9KXX, 608.643.6908 days or 608.643.6453 evenings. Web: <http://www.qsl.net/ytarc>

SUNDAY, AUGUST 26, 2001, Bollingbrook ARS, Joliet, IL. Contact: Bollingbrook ARS, PO Box 1009 Bollingbrook, IL 60440.

SEPTEMBER 14-16 2001, Peoria Superfest 2001, Exposition Gardens Fairgrounds, Peoria, IL. Contact <http://www.w9uvi.org>

SATURDAY and SUNDAY, SEPTEMBER 22 and 23 Radio Expo 2001 Sponsored by Chicago FM Club Lake

County Fairgrounds, Grayslake, IL Info: 630.628.1501 Web: <http://www.chicagofmclub.org>

SATURDAY, OCTOBER 7, 2001, Decatur, IL. Contact: Spence Carter, N9LVW (21) 423-2095.

SUNDAY, NOVEMBER 4, 2001, Davenport, IA. Contact: <http://www.gwltid.com/hamfest>.

SATURDAY, JANUARY 5, 2002 30th Annual Mid-Winter Swapfest Sponsored by West Allis Radio Amateur Club Waukesha County Expo Center Forum 8 a.m. to 2 p.m. Info: Phil Gural, W9NAW, 414.425.3649 Web: <http://www.WARAC.org>

As a service to our readers, this section is available without charge to list your upcoming swapfest, hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to kebnetter@palacenet.net.

CLUB MEETINGS

ARROWHEAD AMATEUR RADIO CLUB, INC.
Superior, WI Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. kebnetter@palacenet.net

EDITOR: Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031. smokesigs@baraboo.com

TREASURER: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901.

EDITORIAL BOARD: Ken Ebnetter, K9EN; Don Evenson, K9JYX; Jim Romelfanger, K9ZZ.

Subscription Rate

1 year (12 issues) \$13.95

Subscription form is on page 5. Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebnetter.

Editorial material, photographs, and feature articles should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Club, swapfest, and Test Point information should be sent to Ken Ebnetter.

Swapfest ADS should be sent to Jim Romelfanger NO LATER THAN EIGHT WEEKS BEFORE THE EVENT'S DATE.

Subscriptions should be sent, with check or money order, to Ken Ebnetter.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.

This newspaper is produced by volunteer radio amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

Badger State Smoke Signals is incorporated as a Wisconsin non-stock, non-for-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

BADGER AMATEUR RADIO SOCIETY

University of Wisconsin - Madison/W9YT

Meetings: First Mondays at 7:30 p.m. in UW Union South. Information: Don Michalski, W9IXG, (608) 263-4685. Email: w9ixg@arrl.org. Web: <http://www.qsl.net/w9yt>.

BADGERLAND AMATEUR TELEVISION SOCIETY (BATS)

Check BATS Web page: <http://www.shopstop.net/BATS/>

CENTRAL WISCONSIN RADIO AMATEURS

University of Wisconsin - Stevens Point, WI
Second Wednesday.

EAU CLAIRE AMATEUR RADIO CLUB

Eau Claire, Wisconsin

Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz. Information: Jim Staatz, KG9RA, (715) 838-9108, or kg9ra@ecarc.org Web page: <http://www.ecarc.org>

FALLS AMATEUR RADIO CLUB, INC.

Menomonee Falls, WI

Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

FOND DU LAC AMATEUR RADIO CLUB

Fond du Lac, WI

Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m. Sunday net: 7:30 p.m. CDT, K9IA repeater, 145.430 - PL 107.2 Information: Jack Heil, KG9IN, 920.922.1413. Email: kg9in@fdlhams.org Web: <http://www.fdlhams.org>.

FOUR LAKES AMATEUR RADIO CLUB

Madison, WI

Meetings: First and third Tuesdays, 7:30 p.m. Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

FOX CITIES AMATEUR RADIO CLUB

Meetings: Third Mondays, 7 p.m., Columbus Club 2531

N. Richmond Street, Appleton, WI Information: Pat, K9IK, 920.725.1149. PLatour428@aol.com Web: <http://www.w9zl.ampr.org/>

GREAT RIVER AMATEUR RADIO CLUB

Dubuque, Iowa

Meetings: First Monday of each month, 7 p.m. at the Red Cross Center, 2400 Asbury Road. The club serves the tri-state area. On the Web: <http://www.qsl.net/wb0lob/> Information or questions to: N0hdc@aol.com

GREATER MILWAUKEE DX ASSOCIATION

Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: garyk9gs@arrl.net.

GREEN BAY MIKE AND KEY CLUB

Meetings: Second Thursdays, Media Services area of J. M. Science Building at St. Norbert College in DePere.

GREEN FOX AMATEUR RADIO CLUB

Greater Green Lake County area.

Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

LAKESHORE REPEATER ASSOCIATION

Racine, WI

Meetings: Last Tuesday, January, April, July, October. New meeting location to be announced.

M & M AMATEUR RADIO CLUB

Menomonie, MI

General meetings: Monthly, second Thursday, 7 p.m., cafeteria, BAMC basement, Tenth Avenue, Menominee, WI. Amateurs and guests welcome. Repeater: 147.00, + offset. Sunday net: 7 p.m., 147.00 repeater. Address: P.O. Box 1082, Marinette, WI 54143.

MANITOWOC COUNTY RADIO AMATEURS (ManCoRad)

Second Wednesdays of each month except June-August, when no meetings are held.

Regular meeting: 7:30 p.m., Associated Bank, lower level, 1000 Franklin St., Manitowoc, WI. Located right next to the Manitowoc River in the downtown area. Additional information: Fred Neuenfeldt, W6BSF, (920) 682-9312. Email: fredw6bsf@lakefield.net.

MILWAUKEE RADIO AMATEURS CLUB

Meetings: Last Thursdays, 7:30 p.m. (starting in January, time is 7 p.m.), Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Address: P.O. Box 070695, Milwaukee, WI 53207. Web: <http://www.qsl.net/mrac> Email: w9rh@arri.net

NORTHEAST WISCONSIN DX ASSOCIATION

Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay. For specific information about meetings; check <http://home.new.rr.com/newdxa/> Contact us at w9dxa@arri.net

NORTHWOODS AMATEUR RADIO CLUB

Rhineland, WI

Meetings: Third Tuesdays. Doors open 7 p.m. Meeting 7:30 p.m. South Park School, Rhineland. Talk-in 146.94 (-600). All visitors welcome.

OZAUKEE RADIO CLUB

Ozaukee County area, WI

Meetings: Second Wednesdays, 7:30 p.m., Grafton Multipurpose Senior Center. Information: <http://www.qsl.net/orc>.

QUARTER CENTURY WIRELESS ASSOCIATION (QCWA)

Wisconsin Chapter 55

Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774. mailto: rryokes@execpc.com

QUARTER CENTURY WIRELESS ASSOCIATION (QCWA)

Southeastern Wisconsin Chapter 162

Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.

RACINE MEGACYCLE CLUB

Meetings: Second Mondays, 7:30 p.m., New meeting location to be announced.

RADIO AMATEURS OF WISCONSIN (R.A.W.)

Oshkosh, WI

Meetings: Third Saturday monthly, locations vary. "R.A.W." is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us. If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684.

RED CEDAR REPEATER ASSOCIATION, INC.

Saturday coffee at Hardee's in North Monomonee, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

RIVERLAND AMATEUR RADIO CLUB

Onalaska, WI

Meetings: First Tuesdays, 7 p.m., Onalaska Community Center.

ROCK RIVER RADIO CLUB

Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB

Meetings: Second Tuesdays, 7 p.m., Sheboygan County

Red Cross/Boy Scout Building, 2032 Erie Avenue.

NORTHLAND AMATEUR RADIO CLUB of SHELL LAKE, WI

Meetings: First Tuesday at the Shell Lake United Methodist Church, Reinhart Drive, Shell Lake, WI. Meeting time: 7 p.m. More information: <http://home.centurytel.net/NorthlandARC/>

SOUTH MILWAUKEE AMATEUR RADIO CLUB

Meetings: First Wednesdays, Legion Post 434, Shepard Ave., Oak Creek, WI. Auctions in March and October.

SPACE PLACE AMATEUR RADIO CENTER

No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: n9uw@sal.wisc.edu

St. CROIX VALLEY RADIO AMATEURS

Hudson, WI

Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC)

Medford, WI

Meetings: Usually first Thursday, 7 p.m. sharp. Usual location: Emergency Government meeting room/Red Cross Office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Streets, Medford. Talkin: 147.15 (+600) MHz. Amateurs and guests are welcome. ARES Net: Wednesdays, 8:30 p.m., 147.15 (+600) repeater. Information: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

TRI-COUNTY AMATEUR RADIO CLUB

Meetings: Held at members' homes. Usually monthly on Sunday afternoon. Contact: Glenn Eisenbrandt, (414) 563-6502, or John Satterlee, (414) 5563-6381.

WASHINGTON COUNTY AMATEUR RADIO CLUB

Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-

WATERTOWN AMATEUR RADIO CLUB

Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

WAUPACA AMATEUR RADIO CLUB

"CQ First Tue." Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. "CQ Third Fri.": Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca-147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

WEST ALLIS RADIO AMATEUR CLUB

Meetings: Second Tuesdays, 8 p.m., St. Peter's Episcopal Church, 7929 Lincoln Avenue, entrance is at rear of building on alley. Information: <http://www.warac.org>

WISCONSIN RAPIDS AMATEUR RADIO CLUB

Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.

WISCONSIN VALLEY RADIO ASSOCIATION

Wausau, WI

Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600). Web: <http://home.dwave.net/~wvra/>

WISCONSIN ASSOCIATION OF REPEATERS

Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info. Information: <http://www.wi-repeaters.org>.

YELLOW THUNDER AMATEUR RADIO CLUB

Baraboo, WI Meetings: First Tuesdays, 7:30 p.m., Room 18, Baraboo Civic Center at 124 Second Street. Information: <http://www.qsl.net/ytarc>

Notice: We are not liable for any errors, omissions, typographical errors, or misprints. Clubs are responsible for furnishing any changes or corrections which may be needed!

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

June 02, 2001	Oshkosh (Omro), WI
June 02, 2001	St. Paul, MN
June 02, 2001	Adams, WI
June 02, 2001	Racine, WI
June 09, 2001	Eau Claire, WI
June 09, 2001	Madison, WI
June 09, 2001	Blaine, MN
June 09, 2001	Eau Claire, WI
June 12, 2001	Eden Prairie, MN
June 14, 2001	Apple Valley, MN
June 15, 2001	Sioux City, IA
June 16, 2001	Sioux City, IA
June 16, 2001	Cottage Grove, MN
June 16, 2001	Milwaukee, WI (BE)
June 16, 2001	Loves Park, IL
June 23, 2001	Bloomington, MN
June 30, 2001	Milwaukee, WI (MRAC)
June 30, 2001	Tomahawk, WI
July 07, 2001	St. Paul, MN
July 07, 2001	Oshkosh (Omro), WI
July 12, 2001	Apple Valley, MN
July 14, 2001	Blaine, MN
July 14, 2001	Madison, WI
July 17, 2001	Eden Prairie, MN
July 17, 2001	Sheboygan, WI
July 21, 2001	Cottage Grove, MN
July 21, 2001	Loves Park, IL
July 28, 2001	Milwaukee, WI (MRAC)
July 28, 2001	Tomahawk, WI
July 28, 2001	Bloomington, MN
August 04, 2001	Oshkosh (Omro), WI
August 04, 2001	St. Paul, MN
August 09, 2001	Apple Valley, MN
August 10, 2001	Sioux City, IA
August 11, 2001	Madison, WI
August 11, 2001	Blaine, MN
August 18, 2001	Loves Park, IL
August 18, 2001	Cottage Grove, MN
August 18, 2001	Appleton, WI
August 21, 2001	Eden Prairie, MN
August 25, 2001	Bloomington, MN
August 25, 2001	Milwaukee, WI (MRAC)
August 25, 2001	Tomahawk, WI
September 01, 2001	Oshkosh (Omro), WI
September 01, 2001	St. Paul, MN
September 01, 2001	Adams, WI
September 01, 2001	Racine, WI
September 08, 2001	Madison, WI
September 08, 2001	Blaine, MN
September 13, 2001	Apple Valley, MN
September 15, 2001	Milwaukee, WI (BE)
September 15, 2001	Loves Park, IL
September 15, 2001	Cottage Grove, MN
September 15, 2001	La Crosse, WI
September 15, 2001	Sheboygan, WI
September 18, 2001	Eden Prairie, MN
September 22, 2001	Bloomington, MN
September 29, 2001	Milwaukee, WI (MRAC)
September 29, 2001	Tomahawk, WI
October 06, 2001	Oshkosh (Omro), WI
October 06, 2001	St. Paul, MN
October 06, 2001	Racine, WI
October 11, 2001	Apple Valley, MN
October 12, 2001	Sioux City, IA
October 13, 2001	Madison, WI
October 13, 2001	Blaine, MN
October 16, 2001	Eden Prairie, MN
October 20, 2001	Milwaukee, WI (BE)
October 20, 2001	Loves Park, IL
October 20, 2001	Cottage Grove, MN
October 27, 2001	Bloomington, MN
October 27, 2001	Milwaukee, WI (MRAC)
October 27, 2001	Tomahawk, WI
November 03, 2001	Oshkosh (Omro), WI
November 03, 2001	St. Paul, MN
November 03, 2001	Menomonee, WI
November 04, 2001	Kaukauna, WI
November 08, 2001	Apple Valley, MN
November 10, 2001	Madison, WI
November 10, 2001	Blaine, MN
November 13, 2001	Eden Prairie, MN
November 17, 2001	Milwaukee, WI (BE)
November 17, 2001	Loves Park, IL

From the Section Manager



Don Michalski, W9IXG

BWN 3985 0600 W9RCW. BEN 3985 1200 KE9VU. WSNB 3985 1730 K9FHI. WNN 3723 1800 KB9ROB. WSSN 3645 1830 N9BDL. WIN-E 3662 1900 WB9ICH. WIN-L 3662 2200 W9UW.

With deep regrets, I inform you that Stu Gurske, K9EYY, passed away. He ran the Lodi 147.225 repeater. Also, Doug Maas, WB9OCV, member of RRRC, is a Silent Key. Frederick Kohn, WA9OMC, is a Silent Key.

Congratulations to Nels Harvey, WA9-JOB, for receiving the exclusive ARRL A-1 Operators award. Well deserved!

Stan Kaplan, WB9RQR, presented to KB9IME and K9IK the prestigious Emergency Communications Commendation award for exceptional service.

9RN report for March shows 100% Wisconsin participation!

The popular Emergency Communicator course is now open for 2-3 day classroom instruction! Certified instructors are needed. If interested in becoming an instructor or student, please contact me. Fee for the course is \$20 for members. Experienced, qualified, members may elect to just take the

test for only \$5.

AB9BB is the new SKYWARN manager for South Central Wisconsin.

Many enjoyed visiting with Jim Haynie, president of ARRL, at the AES Superfest! His input at the OO meeting was greatly appreciated.

73, W9IXG

Coming in July BSSS..

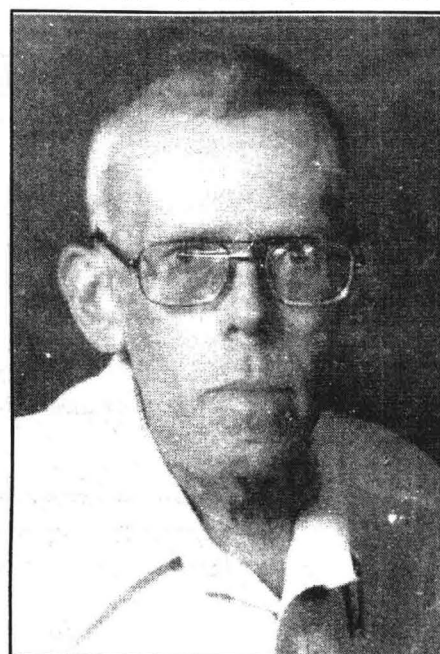
High Definition Television - How it works, what it does

Written by Tom Weeden,
WJ9H

Clubs, VE Teams, Hamfest Sponsors:

Please check your listings of meetings, exam sessions and swapfests both in this newspaper and at www.bsss.org. If changes are needed, please email to smokesigs@baraboo.com

From the Editor



Jim Romelfanger, K9ZZ

You're right. Last month's paper was out very late. We apologize for the delay and the inconvenience.

It was suggested that I tell you why that issue and one other have been late. OK, I shall. I don't like putting personal stuff in print, but since at least some inquiring minds want to know, then know you shall.

Over the past year or so, my health had been on a downhill slide. At least that's

easier than sliding uphill.

I have been barraged with cluster migraine headaches. My appetite has been close to nil; I weigh all of 104 pounds. I fought a not-so-easy battle with clinical depression from November to April, and only now it is finally lifting - and my appetite is returning.

Now, those headaches were real adventures in pain, but mother nature in all her wisdom added something: with the headaches comes double vision. It is not easy putting this rag together as it is, but when I am in pain, and seeing two of everything, folks, it is not easy. (Please, don't send me any suggested remedies for those headaches. I have seen several specialists and we know what we're dealing with.)

Yet some blasted me for being late. I would warn you that I am not only the editor - more important, I am a volunteer. And volunteers don't put up with much static before they say "to hell with it" and walk away.

Having said that, I have to tell you I am more than a little stubborn. I buck more troubles than most of you will ever see. I had polio in 1955. It screwed up my back, my right arm, and worst of all, my right hand. It damn near killed me. I have no power of opposition in my right thumb, and I often cannot even pick up eating utensils with that hand! The fact of that bout with polio is that I should have been dead when I was 13 years old. It was very close. But I am still here. After six months in Children's Orthopedic Hospital in Madison, at the end of March, 1956, I walked (yes WALKED - which was not supposed to happen, either) out of the hospital and came back home. Should I say I am happy about that, or should I apologize? Some days, it's a tossup.

There are even more health issues here I will not discuss.

Now having had the genuine joy of typing the part above, I will tell you this: I am not about to quit BSSS. We have hundreds of wonderful friends and very loyal readers out there. The articles and stories being submitted just keep getting better and better, and we're grateful for every one. This newspaper is the only one like it in the country. It is well respected and has a good reputation. Our web site, in place for 18 months now, gets more than 20,000 hits a month. I am damned proud of all of that, and I refuse to let a few vocal detractors stand in my way.

I am also fortunate to have as the other staffer involved in production Ken Ebner, K9EN. He has a lot of things going on in his life. He and only he can decide what his priorities are. Yes, that's right. Two people make this newspaper happen every month.

Remember, too, if you send me a letter or email, once it's here, it is MINE. I can do with it as I wish, and that includes printing it and posting it on our web site. When I do that, it is without comment from me. I let those letters say it for their writers.

So: If an issue is occasionally late, please keep the above in mind. It's never for an arbitrary reason, there are real causes for those delays. I will be 60 in December, and with all of those health issues, my body is quite entitled to balk once in a while.

Thanks a million to our readers and to those who submit articles and stories - they are really the heart and soul of this paper.

Jim Romelfanger, K9ZZ

SWAPFEST '01

South Milwaukee Amateur Radio Club, Inc.
Saturday, July 7, 2001 -- 6:00 A.M.

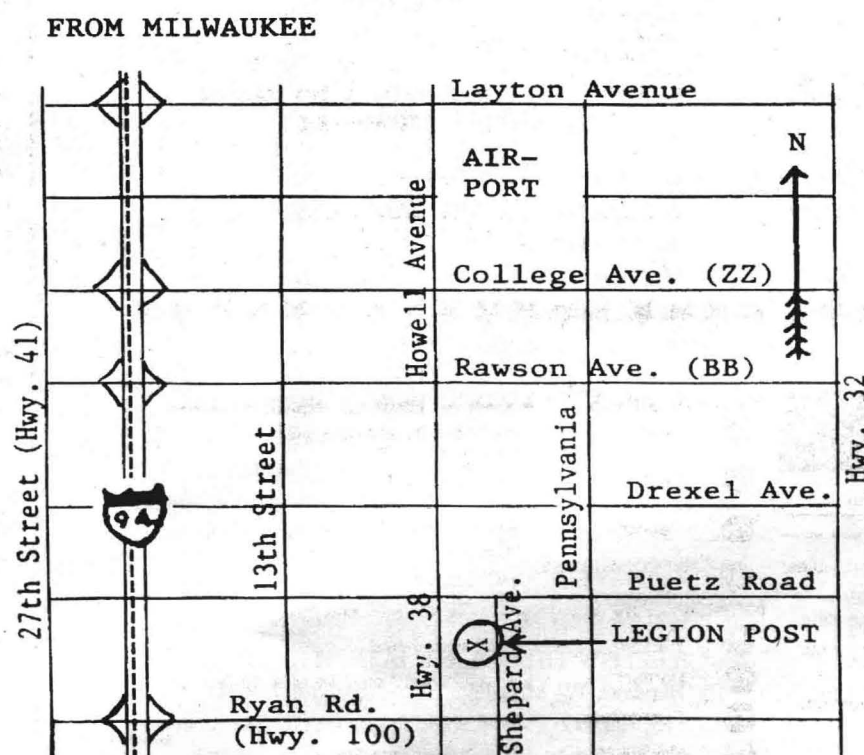
American Legion Post 434
9327 South Shepard Avenue, Oak Creek, WI
Tickets \$5.00
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CLUB TREAT - Beer and Soda

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146.52 (WA9TXE)

For more information:
Phone = (414) 762-3235

1st Prize	\$100.00
2nd Prize	\$75.00
3rd Prize	\$50.00
4th Prize	\$25.00



FROM CHICAGO

The Dayton Experience: One man's "stuff" is another man's treasure?



The flea market at the Dayton Hamvention offers nearly anything a ham's heart could desire. Larry McCalvy, WA9JMO, took this photo of one individual's offerings for sale as he wandered through good stuff and boat anchors. We are not sure in what category the items in the photo belong. We'll just let the photo speak for itself.

Silent Keys

Don Roberts, N9TMI, of Higginsville, Missouri, passed away on April 11, 2001. "Donnie" was very active on the Badger Weather Net, relaying weather information when the bands were long. He had been ill with a rare blood disorder for over eight years. He was Roberta Hummel's (KA9OSA) Brother.

Also, K0VNJ, George Phillips of Princeton, Missouri, passed away. George's nephews are Paul Hummel, K9BOJ, and Robert Hummel, WA9ZTY. George was the inspiration that ultimately led to more than 15 Radio Amateurs in the family. George was preceded in death by his wife, Marge Phillips, ex-WN0DSQ.

Both Donnie and George will be missed.

Sent on Behalf of R. Hummel, WA9ZTY, by bcradio1@earthlink.net

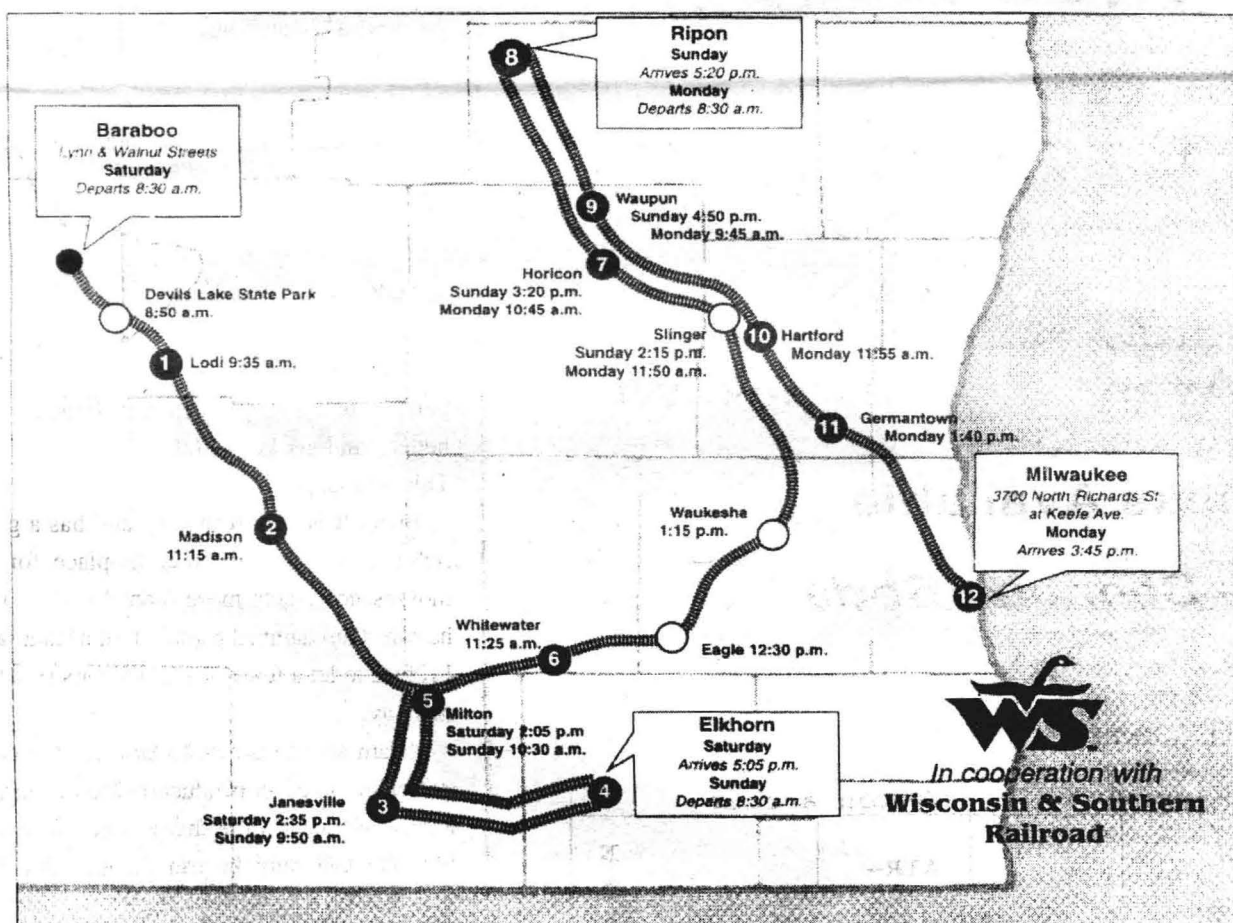


The State Historical Society of Wisconsin's
Circus World Museum
Presents The 2001



Great Circus Train

Sponsored for the 16th year by
STRONG



The one and only Great Circus Train - and W9D

The Great Circus Train loads its precious cargo of more than 60 circus wagons in the Wisconsin and Southern Railroad yard in Baraboo on July 6.

Then, on July 7, 8, and 9, it takes a three-day odyssey around southern and central Wisconsin, where thousands of people see what for some is a once in a lifetime sight.

The wagons are seen in the Great Circus Parade in Milwaukee the following Sunday, July 15, a parade like no other. It has been called "America's Parade."

On board the train will be special event station W9D. The station will operate HF on either 7.240 or 14.240 (one at a time) and on 146.55 MHz FM simplex as conditions on board permit.

W9D was selected this year to honor the late Wilbur Deppe of Baraboo, who was a very important benefactor to the Circus World Museum in its early years, and who started the third of three circuses to begin in Baraboo, Deppe's Classic Country Circus.

If you work the station, you will be eligible for a full color, frameable certificate. Required is a 9x12 inch SASE with 3 units of US first class postage and your QSL card. Those should be sent to Jim Romelfanger, K9ZZ, 412 1/2 Ash Street Baraboo, WI 53913-2501. If you send just a #10, or worse yet, a #6 envelope, you will probably be disappointed by all the folds and creases in the certificate. I cringe every time I have to do that. If you send no SASE or "green stamp", sorry, no certificate. Paying to do that out of pocket adds up to significant dollars very quickly.

For information and a story about the 2000 run (and special event station W9G), go to www.bsss.org. There are lots of photos, so please be patient while the story loads.

Please allow me a lot of time after the operation to get all the data entered and certificates processed. I'm the only one who does this, and it takes a fair amount of time to prepare each certificate. Many thanks for your patience.

Thanks to Milwaukee County AREC; Bob Goldstein, K9KJT; Strong Capital Investments, the Circus World Museum, and the Wisconsin and Southern Railroad for making W9D a possibility.

Jim, K9ZZ

Train Stops

City	Location	Stay
Saturday July 7		
1 Lodi	Lodi Street	20 minutes
2 Madison	1890 E. Johnson Street	One Hour
3 Janesville	203 S. Pearl St.	One Hour
4 Elkhorn	Between Marsh Rd. and S. Wisconsin St.	Overnight

Sunday July 8

5 Milton	
6 Whitewater	
7 Horicon	
8 Ripon	

Monday July 9

9 Waupun	
10 Hartford	
11 Germantown	
12 Milwaukee	

Elkhorn - Ripon

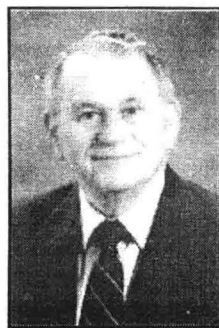
Municipal Dr. and Hilltop Dr. Crossing	20 minutes
Whitewater at Freemont Streets, Old Depot	30 minutes
Between Barstow St. & Cty. E Wisconsin & Southern Yards	30 minutes
JMS Spur to Douglas St.	Overnight

Ripon - Milwaukee

To be determined	30 minutes
Wisconsin Ave. Along Park Lake	35 minutes
River Lane	30 minutes
3700 N. Richards Street (at East Keefe Avenue)	Unloading

The Computer Corner

By Stan Kaplan, WB9RQR • 105 Martin Drive
Port Washington, WI 53074-9654
(262) 284-9346
skaplan@mcw.edu



No. 91: Security and Your CPU

CPU stands for Central Processing Unit, the "mother of all chips" on your computer's motherboard. Most of us are using Pentium CPUs at present, all of which are manufactured by the Intel Corporation. There are quite a few different models of the Pentium chip, but our story today deals with some Pentium II and all Pentium III CPUs.

Intel embedded a unique serial number in each chip during its manufacture. This number is similar to the serial number found on many devices, even the VIN number on your car. The number is hard wired inside the CPU. It cannot be altered or erased, but it can be accessed by software. According to Intel, this feature was added to help corporations track their assets, and to help consumers during online shopping and information sharing. When first implemented, this CPU ID was always on (accessible), though Intel later provided a utility program to turn it off (described below). Pressure from a number of security groups and even the American Civil Liberties Union got through to Intel, and newer models of the Pentium III have it turned off by default. It can be turned back on by software.

What does turned off or on mean? If you have a computer with a late-model Pentium III chip, when you boot that machine, the CPU ID feature is turned off by default. That means if you visit a website that can utilize the CPU ID, the site will not be able to access this unique number from your machine. If you enable (turn on) the feature, or if you have an older CPU that had the feature turned on by default, the CPU ID can be accessed over the web. Thus, we can see, there are two types of CPUs with regard to this feature. Let's call them DOFF and DON for default-off and default-on.

Which kind do you have? There is no way to tell, short of using a software program. Actually, Intel supplies a free program that makes it unimportant whether you have a DOFF or DON CPU. It is unimportant because the program allows you to set the CPU ID whichever way you want it. They call the program the Intel Processor Serial Number Control Utility. The download filename is PSENG103.EXE. Version 1.03, released 12Apr1999, is just over 1 Mb in size. You can get it from several places on the web, but I recommend downloading it direct from Intel. Go to:

<http://support.intel.com/support/processors/pentiumiii/psover.htm>

to get a copy. If you have any trouble getting it, send me a 1.44 Mb floppy and an SASE; I will be happy to make and send you a copy.

PSENG103.EXE is a self-extracting zipped file. Double-click it to unzip it, then double-click the unzipped SETUP.EXE to install the program in a subdirectory of your choice and run it. When run, a blue, circular icon will appear on your system tray. If there is a white X in a red background partially covering the icon, the processor serial number is disabled. An uncovered icon indicates it is enabled. Right clicking the icon and selecting STATUS will let you see the serial number itself, if the CPU ID number is enabled. If you select SETTINGS, you can enable or disable the serial number. Note however that if the serial number is already disabled, to enable it you will have to select that option in the SETTINGS screen and follow that with a reboot. Only then will you (or a web site) be able to see the actual serial number. This nice security feature - requiring a reboot to enable the number - is actually built into the CPU itself (Nice work, Intel, you deserve a commendation!). On the other hand, no reboot is needed to disable the number when using this program.

If you have a DON type CPU, the CPU ID feature is turned on every time you boot the computer. On the other hand, if you install the utility described above and elect to turn the CPU ID off, the software remembers the setting and will turn it off each time Windows is started, regardless of the fact that it is turned on automatically at boot time. In any case, a quick glance at the icon in the system tray will tell you immediately whether the CPU ID is on or off.

Intel may have raised many hackles when they created the unique CPU ID, but everything seems to indicate that they did it in good faith and did not intend to violate the privacy of consumers. Furthermore, they did change production so that all subsequent units that come from the factory are of the DOFF type. Finally, they provide a free utility that lets you see the status of the CPU at any time, and lets you change that status as you wish. It is hard to fault their record of accomplishment in the matter.

On the other hand, fellow hams, a hacker can obtain the CPU ID whether it is turned on or off! Easily! That is a fact! Check out:

<http://www.hardwarecentral.com/hardwarecentral/tutorials/159/1>

to see the two simple lines of assembly language code that will steal YOUR number and substitute that for theirs whenever software calls their machine for an ID. It really is very easy. All they have to do is download a tiny program to your machine and run it. How can they do that, you say? Well, they cannot, if you have a firewall in place. You say you did not download a free copy of the firewall Zone Alarm when I told you to? Tough. You'd better go back to No. 79 in this series, June 2000, to read about Zone Alarm. A great program, and it is free. Get it!!! Happy Computing.

*Thank you for reading
Badger State Smoke Signals.*

ManCoRad and the U.S.S. Cobia

Continued from page 6

all of the gear and lower it down the hatch. By 8:30 a.m., we were ready and on the air with W9DK from aboard the U.S.S. Cobia.

20 meters was a great band for us all day Saturday, with no letups in the action. 40 meters was not so good but we did "OK" on that band. We did find that everyone out there was once again waiting to work the Cobia.

On Saturday evening, six of us spent the evening on board the sub, along with 20 Boy Scouts. We gave a demonstration about ham radio, and they really enjoyed it. After the demonstration, some of the hams got back on the air and operated until the wee hours of the morning.

On Sunday, the bands were the same as they were on Saturday. 20 was again our

"bread and butter" band. 10 and 15 were not very active. By 3 p.m. Sunday, we started breaking the stations down and getting the gear and antennas off the sub, as they close it up at 5 p.m.

Everyone had a great time again this year as we do every year. W9AA (the German U-505 in Chicago) was really bragging this year that they couldn't be beat, but looking at our preliminary results it looks like the U.S.S. Cobia three-peated - won again for the third year in a row among all the memorial subs. Our logs show a total of 941 contacts, up from last year's 720. The Cobia also worked 15 other memorial submarines or memorials. With all of the contest rules applied, it yielded a total score of 14,250 points for this year's event.

A job done well once again by all from the ManCoRad Club and a few visiting hams who stopped in to say hello and lend a hand.



No substandard performances from these Cobia operators! Bob, KB9INK, and Dennis, W9DWN, rack up contacts from W9DK.

Photo: Fred Neuenfeldt, W6BSF

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CIRCUS WORLD
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PARTICIPATING CLUBS AND ORGANIZATIONS

Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary
W370 S9590 Highway 67 • Eagle, WI 53119

WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	Yes	3985	1100	0600	W9RCW
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9FHI
WNN	Yes	3723	2300	1800	KB9ROB
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9UW
RCRA	No	01/61	0030	1930	KA9OMC
(Mondays CDT) (Menomonee Area)					
Gr. Bay	No	72/12	0245	2145	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2100	
(South East/South Central Wisconsin)					

Section Traffic Manager's Report Wisconsin April 2001

Traffic is Terrific

What's happening? Are the section nets still handling traffic on a daily basis? Is the Badger Weather Net still collecting data every morning without fail? Does the Badger Emergency Net move from 3985 to 7270, when conditions warrant? Will the NCS on the WNN, WSSN, and WIN slow down to the speed of the station checking in? Has there been an increase in CW activity on the section nets? How does K9FHI not only get enough NCS volunteers but also find some for alternate duty? You can find the answers to these and many other questions by checking in to your favorite section net.

Traffic tip of the month - from W9KKM - It helps to pace yourself in sending traffic by voice if you write out the message as you send it. That way, you won't speak faster than the receiving station can handle. Using a tape recorder for back up is another good idea (Thanks, N9TVT). Of course, nothing replaces practicing careful sending and accurate receiving.

Suggestion for Net Managers: Please encourage your net control stations to send an occasional QNC (message for the entire net) and have everyone copy it. If each station confirms reception of the message, that's counted as one handled by the net, one sent by the NCS and one received by each station checked in. More importantly, it's a chance to practice -- even for those stations who don't handle much traffic into their area.

Let's remember that traffic isn't limited to the NTS. As the severe weather season is upon us, accurate and timely weather observations sent in the TLCS (Time-Location-Condition-Source) format is very important traffic. This might be handled on two meter FM, packet, SSB, or even CW. Even a road report of some hazardous driving condition or an unsafe driver could be a very important message. Call it in on your local repeater. Of course, I suppose that would be traffic traffic.

73,

Denny, K9LGU/STM

MONTHLY NET ACTIVITY SUMMARY APRIL 2001

NET	QNI	QTC	QTR	SSNS	NM
BWN	1176	1542	2250	30	W9IHW
BEN	470	79	810	30	for W9RCW
WSBN	576	72	817	30	KE9VU
WNN	139	13	329	30	K9FHI
WSSN	238	28	339	31	KB9ROB
WIN/E	212	57	283	30	N9BDL
WIN/L	197	61	327	30	WB9ICH
					W9UW
TOTALS	3008	1852	5155	211	

STATION ACTIVITY SUMMARY Wisconsin Section April 2001

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
W27V	0	430	37	366	831-BPL
W9VY	0	245	304	0	549-BPL
K9GU	0	243	31	233	507-BPL
K9JPS	1	211	36	204	456-BPL
N9VE	0	213	37	202	452-BPL
N9TVT	0	97	309	2	408
W9IHW	0	75	77	45	197
K9LGU	7	81	47	3	138
W9CBE	0	60	56	3	119
K9FHI	0	43	53	0	96
N9BDL	0	15	61	1	77
N9CK	0	38	36	2	76
W9UW	0	49	18	2	69
KN9P	0	14	18	2	69
AG9G	0	11	53	0	64
K9GB	0	12	46	0	58
KE9VU	0	18	39	0	57
W9YCV	0	214	34	6	51
KB9ROB	0	32	3	0	35
W9RCW	0	0	32	0	32
KA9FVX	0	0	31	0	31
W9BHL	0	0	29	0	29
AA9BB	0	0	28	0	28
N9KHD	0	9	14	1	24
WB9ICH	0	18	2	0	20
WD9FLJ	3	6	4	5	18
N9JY	0	1	6	1	8
N9UAR	1	3	1	2	7
W9PYD	0	3	2	0	5

P S H R SUMMARY April 2001

CALL	1	2	3	4	5	6	7	8	T
W27V	48	6	0	401	0	30	20	0	505
N9VE	42	0	0	202	0	30	10	0	284
K9JPS	36	24	9	189	1	10	0	0	269
K9FHI	60	24	24	0	0	30	10	30	178
N9BDL	60	24	24	1	0	30	0	0	139
W9YCV	60	24	24	6	0	20	0	0	134
WD9FLJ	50	24	0	5	0	30	0	30	132
W9CBE	60	24	24	3	0	20	0	0	128
K9LGU	60	18	24	3	7	20	0	0	127
AG9G	60	24	18	0	0	10	10	0	122
N9TVT	60	24	24	2	0	10	0	0	120
K9GB	34	12	0	0	0	10	0	30	86
KA9FVX	30	0	0	0	0	10	0	0	40

Wisconsin Valley Radio Association

Rich Nesbitt, N9WPH, Secretary

P.O. Box 363 • Wausau, WI 54402

Six Meter Repeater: 51.19 Input/52.89 Output

Meeting Minutes

1 May 2001

Marshfield Clinic - Wausau Center

Meeting called to order at 7:00 p.m. by new President Mike Wild - KB9DED

Program: The program for this meeting consisted of two videos shown by Mike, KB9DED. They were ARRL Videos on Amateur Radio and Emergency and Disaster Preparedness. An open discussion followed the showing of the videos and included preparing for the upcoming severe weather season and weather spotting. A question was raised on our liability and insurance coverage for members participating in community service activities. The board will be getting more information on this.

Members present: KB9OPQ, N9NMH, K9MCZ, KB9VBR, KB9DED, N9TTA, W9WW, N9MEA, N9LIA, N3FDE, N9SDI, KB9JMB, N9NRC, N9NRA, KB9RXB, K9QH, N9WPH, KB9STB, KB9RXA, welcome new member Scott, KB9YZQ, and congratulations to Al Grove, who passed his technician exam but has not yet received his call sign.

Secretary's report: As published in *Badger State Smoke Signals* and posted on the WVRA Web Site (www.dwave.net/~wvra). Motion to accept: N9WPH, second: KB9RXA..

Treasurer's report: Motion to accept: N9NRA, second: N9WPH.

New Board Members were elected at the April 4, 2001 Meeting, and Officers were elected at the Board Meeting of April 17, 2001. They are as follows:

KB9DED, MIKE WILD, PRESIDENT
 KB9STB, MYRON OESTREICH, VICE PRESIDENT
 K9MCZ, GREG BARR, SECRETARY
 N9MEA, MARK RASMUSSEN, TREASURER
 KB9VBR, MIKE MARTENS, NET MANAGER
 N9NMH, MATT BAUMANN, EQUIPMENT MANAGER
 KB9OPQ, DAVE MESSERSCHMIDT, PROGRAM MANAGER

Old Business:

1. There was an excellent turnout of volunteers for the Multiple Sclerosis Walk-a-thon event on April 22. The club volunteers also utilized APRS Trackers and the APRS map on the projection screen at event HQ was a big hit and drew a lot of interest and comments. Event coordinator Jack, N9LIA, thanked the following for their participation: W9WW, N9TTA, KB9JMB, N9WPH, N9MEA, N9NMH, KB9DED, KB9VBR, KB9RXA, N9NRA, and KB9PVI.

2. A tour of the Marathon County EOC was conducted by Emergency Planner Jerome Boechter and Rich, KC9NW, ARES EC, on April 24, and a meeting was also conducted that included Sheriff Deputy Paul Raymond, KB9BUM. Emergency procedures, call-up, and parking and access to the EOC were discussed. Many WVRA members attended.

3. Dream Flight Wausau is the week of April 30-May 4 and will include an APRS tracker on the Space Shuttle Apollo Condor. To view the shuttle position: www.martechsys.com/dfw

4. APRS: A question was asked if we could possibly shutdown the HF Gateway during weather spotting operations to reduce unnecessary traffic? The APRS steering committee will look into this.

5. Field Day: June 24th-25th at Sunnyvale Park, off HWY 29W. The club is looking for as many operators as possible for this event. So come on out anytime during the event and even stay the night. Remember, you don't need a radio or even a license as there will be HF control operators to help you have some fun on HF! (VHF too). Help is always needed for set-up (7 a.m. Saturday) and take down on Sunday. Come to the June meeting for more information. Andy, N9NRA, will be shooting video for a TV spot and needs some help in editing.

New Business:

1. Our new antenna and equipment is ready to go up onto the new Rib Mountain Tower. Our antenna will be at the 120 foot level of the tower and will be going up at the end of May or early June.

2. Mark, N9MEA, is putting together two portable repeaters on 2M/440 for emergency use. They will be set up on odd split frequencies.

Meeting adjourned at 8:20 pm. Motion: N3FDE, second: N9LIA.

Next meeting will be June 5, 2001, at 7 p.m. at the Marshfield Clinic - Wausau Center cafeteria. (Formerly known as the Wausau Medical Center). Park and enter from the employee parking lot on the West side of the building. Call in on the 2M club repeater if you need directions. The frequency is 146.64 (PL 114.8).

June Program: Field Day Logging Software.

Respectfully submitted:

Greg Barr - K9MCZ

(k9mcz@arrl.net)

WVRA Secretary

Read us on the web at

<http://www.bsos.org>

Mancorad Radio Club

Theresa Hartlaub, KB9KXE,
Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

The monthly meeting of the Mancorad Radio Club was brought to order by club president Fred (W6BSF) at 7:34 p.m. The Secretary's minutes were approved by motions made by Red (N9GHE) and Ken (K9HAG). Fred gave the treasurer's report which was also approved with motions by Oran (N9VIA) and Bob (KB9INK).

A new member was welcomed into the club. He is Dan Wagner (N9OWD) and holds an advanced license. Glad to have you aboard.

A thank you card was read from the Manitowoc Maritime Museum on the recent Sub event and sleep over held last month. They extend an invitation for next year. Also a card was read from Tom (KB9GRC) regarding the flowers sent on the death of his mother. Again we extend to Tom and his family our deepest sympathy.

Jim (KB9GOX) gave a final report on the upcoming Smelt-a-thon and Bike-a-thon coming up May 19th and 20th. He is still looking for a few more volunteers to help out on Sat or Sun. This will be held rain or shine, starting around 9:30 and ending by 1:30. If you can help, contact Jim.

The club move is finally here! Red and Fred have been very busy packing up the club's things from the club shack. We need to be out by June 1st. So it looks like the final move will be made on an evening the week of May 20th. Listen to the nets for the night. All are welcome to help.

As earlier reported we will continue to hold club meetings over the summer. They will be held in the new club shack off of Waldo Blvd. There will be lots to do to set

up the new shack. Meetings will be held the same time and day as usual. At this point we will resume meetings at the bank in the fall.

During the Sub event 941 contacts were made. This is up from the 721 contacts made last year. We are contemplating setting up a third station for next year. Fred thanked all who had participated and passed out certificates to those in attendance.

Discussion was held on having a hamfest next year. Some of the club members had received inquiries about this year's hamfest. So we will again look into having it next year.

Attendance drawing was held. Charlie (W9GXD) was not here, so the pot goes to 16.00.

The next meeting will be held at 7:30 at the new shack on Waldo Blvd. on June 13th. Meeting was adjourned by motions by Dan (N9FVZ) and Ron (WS9X) at 8:42. Lunch was served.

Submitted for approval:
Theresa Hartlaub (KB9KXE)
Secretary

MEETING ATTENDANCE

Fred W6BSF	Bill N9XEZ
Dan N9FVZ	Ellen AF9J
Oran N9VIA	Chris KB9VLS
Larry K9LWI	Bob KB9INK
Red N9GHE	Ken K9HAG
Ron WS9X	Tom KB9GRC
Janice N9IQZ	Vic WB9VYO
James KB9GOX	Chuck N9WUN
Mary KB9GOY	Theresa KB9KXE

Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402



The first Friday in May found 13 Southeast Wisconsin Hams paired with staff and parents associated with Racine's Lutheran High School's annual Walk-a-Thon. The staff and parents checked the students through the seven check points on the 10-K walk. Our Amateur Radio Operators passed the traffic associated with this event. Chapter

162 had eight participants - Spencer Clope, W9LDH; Al Algiers, W9HR; Herb Ladwig, W9PHJ; Ron Fox, K9AKH; Bob Jensen, W0WLN; Lloyd Gorsiski, WB9RGO; Ed Konicek, W9NVK; and Larry McCalvy, WA9JMO.

Continued on page 9



Ah, relaxation after a day of walking thru the Dayton swapfest area! Left to right are QCWA/Chapter 162 members Larry McCalvy, WA9JMO; Dave Whitham, K9DQ; Dan Miller, KA9OIL; and Rob Madson, KF9ZT in the hot tub at the Comfort Inn in Piqua, Ohio.

Photo courtesy Larry McCalvy, WA9JMO



SHEBOYGAN County Amateur Radio Club

Sky Borgenhagen, N9XRU, Secretary
N6466 Plank Circle • Glenbeulah WI 53023

2-Meter Repeater: 147.06 Output

May Meeting Minutes

The May meeting was called to order by club President Steve, N9TRK, at 7:00 p.m. There were ten members present. The SCARC meetings are held every second Tuesday of the month in the Red Cross building at 2032 Erie Ave. in Sheboygan.

The meeting opened with a discussion of the battery operated stations that will be used during Field Day. There will be a time slot sign up for operating the stations available on that day. Contact Steve, N9TRK, to sign up.

Steve, AA9SJ, reported that the application for a club station call sign is in process.

Mike, K9SJ, reminded all that the ARES/RACES nets are on the first and third Thursdays of the month, 7 p.m., on 147.060 and 443.225 repeaters.

The next SCARC meeting will be held on Tuesday June 12th., when final Field Day plans will be made.

Club treasurer reported that annual dues will come due this June and the current balance of the club account is \$100. A big "Thank You" is in order to Julian Jetzer, KR9S, and Mike Muth for their generous donations of cable for club use.

Annual election of club officers will be held in June. A list of nominees will be sent through the Sheb.Hams email list by current president Steve, N9TRK.

Meeting adjourned at 8:40 p.m.

Net Schedule

The SCARC 2 Meter net meets Monday nights at 8:00 p.m. on 147.060, PL107.2 +. This is a fun net and all are welcome to join us. Any members willing to take net control

for one or more nights should contact Steve, N9TRK.

Saturday Morning Breakfasts

The Saturday morning Sheboygan hams breakfasts are held in the following venues at 8 a.m.

1st - Jumes in Sheboygan.

2nd - Family Restaurant in Cleveland

3rd - Jumping Jacks at Kohler Sports Core

4th - Park View Restaurant, County PP in Sheboygan Falls

5th - Hill Farm Restaurant, County V and OK in Sheboygan

Email List

If you use e-mail, consider signing up on the Sheboygan Hams mailing list. Simply submit your e-mail address to:

<julian@bongo.tele.com>. All e-mail sent to <shebham@tele.com> will be forwarded to all listed subscribers. Thanks again, N6ARE for providing this wonderful mail server for SCARC use.

Club Postal Mailing Address

SCARC, PO Box 1282, Sheboygan, WI 53081-1282

Respectfully Submitted:
Sky Borgenhagen,
N9XRU

Lakeshore Repeater Association

147.270 MHz • Racine, Wisconsin

**Larry McCalvy, WA9JMO • 5400 Six Mile Road
Racine, WI 53402-9741 • wa9jmo@wi.net**

Our 70cm repeater is still inching its way toward an "on-the-air" status. We have a signed lease agreement, a commercial repeater, and almost a cabinet for it to be installed in. We have the hardline and about half of the needed clips to fasten the transmission line to the tower. We still need to get a side arm mount and the rest of the mounting clips from Pirod in Indiana and to hire a tower climber to install the 70cm antenna and attach the feed line to the tower. We need to field test the 440 MHz Repeater, move it to and install it at the tower site. We are hoping for a late June or early July date for our initial transmission from the new location.

Our next repeater meeting is scheduled for 7:30 p.m., Tuesday, July 31, 2001 at the Red Cross Building, 4521 Taylor Avenue, in Racine. Dan Miller, KA9OIL, our nomination chairman is looking for a few folks willing to serve as Lakeshore officers for the year 2002. If know anyone, or you yourself have an interest in running for an office on Lakeshore's Board, please give Dan a call on the repeater or at home. The July 31st meeting should also give us a financial report on

the solvency of our club. The audit committee will have met with our Treasurer and examine his books.

The Racine/Kenosha ARES groups are hosting a weather net on the 147-270/870 repeater each Wednesday evening at 8 p.m. We are asking any amateur operator in the hearing vicinity of the Repeater to check in with or without traffic. The purpose of the net is to practice - practice checking-in. ARES will be establishing simulated weather related "activities" to allow local Hams the chance to pass severe weather criteria. It is hoped that the practice sessions will enable many of our local hams to become more willing to assume Net Control duties, and be prepared to assist in traffic handling should a real emergency occur. And following the weather net is our weekly Swap Net. This is your opportunity to list Amateur and computer equipment for sale, trade or wants. Please give a listen, and consider checking-in. We would love to have you as a participant.

73, Larry McCalvy, WA9JMO, President
Lakeshore Repeater Association

QCWA Southeastern Wisconsin Chapter 162

Continued from page 8

The Chapter was aided by long time event supporters – Mike Melink, N9PMO; Rick Panyk, KG9ER; Bill Firchow NW9P; Kathy Madson, N9ZWN and 17-month old daughter Kerra; and joining us this year was Tammy Gardner, KB9SXI. Each participant received a letter from the school thanking us for our communication support and a “T” shirt commemorating the event.

It is always difficult to tell who enjoys the outing the most – the students, staff, parents, or communicators. This is a most worthwhile community activity that enriches the school, its students, their parents, and the staff. We are happy that we were able to lend our support to this great endeavor.

Dayton Hamvention 2001 was wonderful! So much to see and do; so little time in which to do it. Four of us – Dave Whitham, K9DQ; Rob Madson, KF9ZT; Dan Miller, KA9OIL; and Larry McCalvy, WA9JMO, departed Racine at 10 a.m. on Thursday, May 17th for the Comfort Inn in Piqua, Ohio (a half hour drive North of Dayton’s Hara Arena Hamvention).

The three-day event, Friday, 8 a.m. to 6 p.m., Saturday, 8 a.m. to 5 p.m., and Sunday, 8 a.m. to 1 p.m., afforded our gang amply opportunity to walk around and through the 4,000 outside vendors and 800 inside display areas. Bargains were abundant for the knowledgeable, swift shoppers and the all day rain on Friday allowed everyone a greater opportunity to examine the wares offered by the inside vendors. The limited time again prevented me from participating in any of the forums – and there were many offered, all day long over the three-day gathering.

Each day we walked and each evening we hit the hot tub to soak our aches and

pains away. Since we each ran off to enjoy our four-day adventure and left an XYL at home to fend for herself, we thought it only fair to call her from the hotel’s hot tub and tell her what a terrible time we were having because she was forced to stay at home while we went off to play.

Our audit committee had a meeting with the chapter’s financial books and found everything to be in order. According to their May 21st report, we are still a solvent entity.

I am happy to report that Fern Fisher, W9LCJ has moved back home concluding a four-month stay with her daughter after leaving the hospital. A trip to the “Candy Store” netted a new radio to welcome her back to repeater operations on Lakeshore’s 147.870/270 machine. Fern, it is nice to hear your melodious voice once again on the airwaves.

Our congratulation to Al Algiers, W9HR on his recent First Place finish in the International (telegraph) Amateur Radio Union (IARU) HF World Championship. Al place first for single operator, CW only, in the Wisconsin Section.

Mark your calendars for the fourth weekend in June the 23rd and 24th. And plan to attend Chapter 162’s annual Field Day at Decision Farm, 5400 Six Mile Road, in the Town of Caledonia. Decision Farm is located one half mile west of Highway 31 on the north side of Six Mile Road (Hwy “G”). The chapter will operate QRP Battery again this year. And with our new younger members, there might even be some operations during the nighttime hours. Come join us!

The Great Annual Mosquito Awareness Bash has been moved to Sunday, July 8th. This Gala Affair will be held at the Palatial Estate of Ken (N9NBC) and Marbeth Knoff, 16616 12th Avenue, Paris, WI (Kenosha County, I-94 to Hwy “E” and then head west). Attendees are asked to bring a dish to pass, their own meat to grill, and their good party spirits.

73, Larry McCalvy, President
Chapter 162, QCWA

Up and away again....

Near Space Sciences, with Joe Mayenschein, WB9SBD, at the “helm”, has a night balloon-carried Amateur Radio launch planned. We have no specifics regarding date or time. The primary purpose will be to point a camera earthward to show how much light shines upward. A secondary payload may be aboard for gathering information about the amount of packet activity on the International Space Station’s packet radio uplink frequency of 144.490 MHz. Listen around for information as it becomes available. If we get it in time, we’ll have it on our web site.

Correspondence

The *Badger State Smoke Signals* newspaper has been an important source of amateur radio information in the Wisconsin section for many years. BSSS is unique because it unifies ARRL clubs within the section with news that enables them to jointly contribute to public service activities. I wish I had the space to do this in my monthly *QST* column, but since the Wisconsin allocation is limited, I am gratified that BSSS is there to provide this important service to the section community. And, since many amateur radio operators don’t have access to email or the web, BSSS keeps these hams informed!

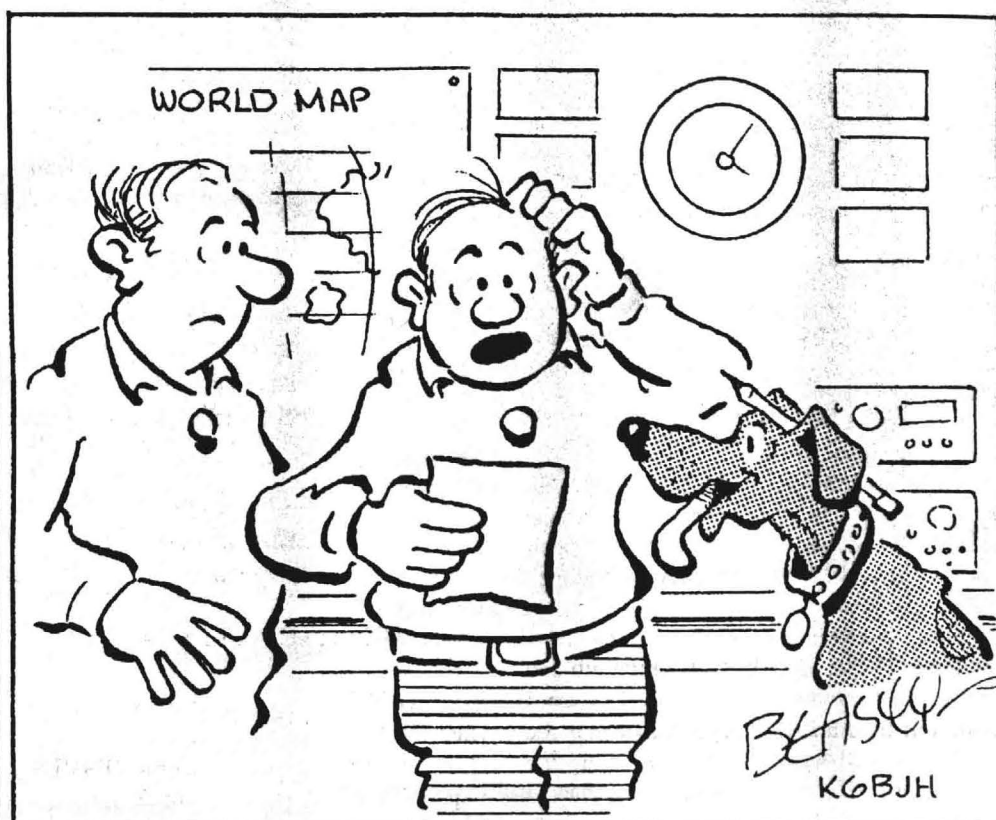
It isn’t easy keeping the paper going

It isn’t easy keeping the paper going with aging equipment and limited funds and support. However, Jim and Ken have done an admirable job keeping BSSS afloat. It has been a labor of love for the hobby that they continue to bring it to you. Help is needed for soliciting advertisement. This is a paid position! If interested, please contact Jim or Ken.

Volunteers are welcome to help put the paper together and/or submit articles.

Let’s continue to make this an amateur paper we can all be proud to, not only, read but contribute to support!

73,
Don, W9IXG
Section Manager



HE SAYS: "I'M NOT READY FOR 'PHONE, YET, BUT IT MIGHT BE FUN TO WORK A LITTLE CW"

This photo was taken several years ago on the Great Circus Train. At right is Al Johnson, AA7CS, who took a break from yakking on the radio to swap smiles with clown Elka Umpa from Milton, Wisconsin. I hope I spelled her name right. Inside or outside, the train truly is miles of smiles!



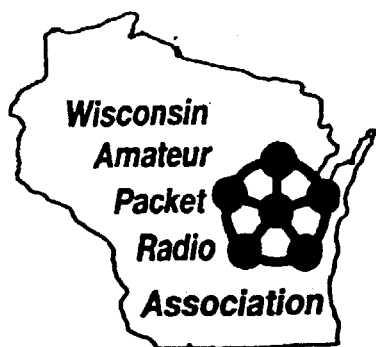
Hello from the ManCoRad/W9DK U.S.S. Cobia crew!



A lot of members of the ManCoRad Radio Club of Manitowoc worked hard to work up a big score on Submarines on the Air day at the end of April. They took time out from radio and other duties to pose for this group shot on the *Cobia*'s

deck.

Photo courtesy Fred Neuenfeldt, W6BSF



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association

Larry Shields, WD9ESU, Treasurer, W8929 Highway K, Lodi, WI 53555

Andy Nemec, KB9ALN, Editor · 453 Cottage Grove Avenue · Green Bay, WI 54304 · e-mail: kb9aln@juno.com

WAPR News - June, 2001

By Andy Nemec, KB9ALN

Welcome to summer, I hope it treats you well. Now that the warm weather is here, I hope you aren't spending all of your free away from your packet station. You don't have to leave it at home these days, either. It's easier than ever to put a portable packet station together, taking it with you can be a good deal of fun, too.

Last month I reported that Larry, WD9ESU was back on the air after his tower was blown down in March. It seems like his reappearance was all too brief - Larry has his entire setup (with the exception of the computer) up for sale. Some of it has been sold, but he still has a few pieces left. As of now, he does not expect to return to the air.

Which is sad news, indeed. As was mentioned last month, Larry's station has been a vital part of the Wisconsin Network for a very long time. As far back as I can remember, his node and BBS in Lodi were seen on node lists even up in here Northeastern Wisconsin. This even goes back to the days of the old 1200 bps VHF backbone on 145.010 MHz. Larry also had a great deal to do with the old WINFR stack in North Freedom, Wisconsin. Packet operators who have spent a lot of years at the keyboard certainly remember seeing both node aliases on their local node lists, and a lot of them have probably used these nodes or checked out his BBS.

I have fond memories of keyboard chats I had some years ago with a ham friend who was in his first year at UW Madison. When band conditions were right, he could utilize the gateway at the university to gain access to the packet network. He would then make his way up to Green Bay. Larry's nodes made that possible, he was one of many who use their free time and facilities to be part of a working packet network.

I hope you'll join me in thanking Larry for his years of dedication, work, frustration and money that he's put into maintaining a great BBS and node stack. You can drop him a line at larrysh@cforum.net.

As of now, we are all scrambling in an effort to fill the gap that Larry's absence creates. The Wisconsin DEM packet station has a shaky path into parts of the network, but could use more nodes to make the network connections solid. Then there is the business of making the network complete for the rest of us. As I learn more about any efforts in this area, I'll pass them along.

On to something else - note that this month, there is a short article for newer users concerning addressing of personal messages and bulletins. If you've ever wondered about the "correct" way to address a message for the BBS network, you may want to read this one, even if you're well familiar with BBS mail.

That's all for news for this month. If you have any news concerning packet to report, feel free to send it to one of the addresses at the top of this page.

Until next time, 73 from Andy.

Net/Rom Node Information for the Sysop Part Three

by Andy Nemec, KB9ALN

This is part 3 of a series designed to help node Sysops learn more about the popular TheNET X-1J series of nodes. We'll skip over the more common user commands and devote our discussion to commands used by the Sysop. This month, we look at ADC.

What is ADC?

ADC is both a user command, and a Sysop command that can take four forms. If a user typing "ADC" is used to retrieve data that is gathered by an Analog-to-Digital Converter channel wired to the TNC. There are four such channels, and they can be used to set up an S-meter, a Deviation meter, a thermometer or a voltmeter, among other things. Actually, all ADC channels are really voltage meters; they are just calibrated and set up to dispense a particular type of meter reading. The sysop-ADC com-

mands are longer, and work in conjunction with the METER command.

Giving you a complete run-down on how to construct, calibrate, and adjust an S-meter is beyond the scope of this article. We'll only touch on this for those who may be entertaining the thought of adding something interesting to their node stack. The complete instructions can be found in the NETX1JR4 package available at the TAPR software library (www.tapr.org).

Basic Setup

The Analog-to-Digital converter inputs accept a voltage range of 0 to 3 volts maximum. In the example of an S-Meter, one finds a suitable voltage from the receiver, or constructs circuitry that produces it. The documentation in the X1JR4 package has some very helpful ideas on how to do this.

Once a suitable voltage has been found or created, you determine how the voltage relates to the signal strength, and what voltage corresponds to minimum and maximum signal strengths. This is done with a signal generator and a step attenuator. A graph of these values is made.

Once this is known, a decibel multiplier factor is calculated. After these are obtained, and the zero-signal (noise floor) reading is known and graphed, a "multiplier figure" is found on a trial-and-error basis.

After this, the Analog-to-Digital Converter is wired into the TNC (again, detailed instructions are contained in the X1JR4 package). The appropriate wiring is put into place, a particular ADC channel is selected, and the configuration process can begin.

Sysop Commands

In addition to the user ADC command, there are 4 ADC commands for the Sysop. They are ADC1, ADC2, ADC3, and ADC4. These commands are used to enter a text string that follows the ADC channel output. This text string is limited to a maximum of 8 characters. These have to be entered into the node after a cold start and are not "burned into" the node's

EPROM.

To enter the text for the ADC1 channel, first this command is issued to clear the text that may already be in the buffer:

ADC1 *

Then we enter the text that tells us what we are measuring. If we want this to be an S-Meter, we would enter this:

ADC1 S-Units

The most complex command associated with setting up the ADC metering systems is the METER command itself. Basically, the METER command dictates what the ADC voltage will be displayed as, how to make this voltage conform to a particular scale, and how to multiply the ADC channel reading so that the meter reads correctly. The METER commands configure:

- The Mode of the meter, whether it will be an S-Meter, a Voltmeter, or whatever.
- Scaling factor for deviation.
- The S-Meter or dbm meter multiplier factor and noise floor values.
- The voltmeter multiplier value.
- The voltmeter offset values on a per-channel basis

Conclusion:

We probably won't talk more about the METER command later in this series. Showing you examples of how to set up one of these meters is complex and cannot cover every application. For that, I can only refer you to the X1JR4 package - it has extensive documentation not only on the commands themselves, but also has circuitry examples.

That's all for this part. We'll continue next month with our series by discussing the ALIAS and ARP commands. Until then, 73 from Andy.

WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

PLEASE PRINT:

NAME: _____ CALL: _____ HOME PHONE: (____) _____

ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____

HOME BBS: _____ FREQ: _____ (Listing your home BBS is important)

MY PACKET STATION OPERATES: _____ DAY _____ NIGHT _____ 24 HOURS

I OPERATE A: _____ DIGIPEATER WITH AN ALIAS OF: _____

_____ FULL SERVICE BBS

PRIMARY PACKET INTERST/EXPERTISE IS: _____

_____ YES: I want to receive Badger State Smoke Signals and I understand that part of my dues will go to pay the subscription. Cost \$20.00.

_____ NO: I do not wish to receive Badger State Smoke signals as part of WAPR membership. Cost \$15.00.

Complete and return this form with your check or money order — \$15.00 for membership only or \$20.00 for membership and Badger State Smoke Signals, made payable to W.A.P.R. to:

Larry Shields, WD9ESU, Treasurer,
W8929 Highway K
Lodi, WI 53555

A BBS Mail Primer

by Andy Nemec, KB9ALN

These days it is easier than ever to send E-Mail anywhere in the world. This is really nothing entirely new; amateurs have been doing that amongst themselves for a long time. A world-wide network of Public Bulletin Board Systems (Stations) made it possible.

Folks who are relatively new to packet may not be familiar with the particulars of how to properly address a piece of personal mail or a flood message so that it can be forwarded to its destination by the BBS network. We'll start by discussing personal mail.

As with any electronic mail, the person who will eventually receive it needs to have an address, of course. Packet operators have an address that consists of their call sign, an @ (at) symbol, and then the address of the BBS where they will be receiving their mail. This is referred to as the recipient's "Home BBS".

Each BBS is known by its call-sign and what's called a "hierarchical address". This consists of an optional region or city code, a state code, a country code, and a continent code. These codes are separated by periods and are easy to make sense of. Let's take a look at my address:

KB9ALN@KB9ALN.#GRB.WI.USA.NOAM

Now let's pick it apart. KB9ALN is the recipient. Coincidentally, KB9ALN is also the call-sign of the BBS, as I operate this BBS. #GRB is the city code, meaning Green Bay. Region or City codes are always prefaced by a #.

If I were located in central Wisconsin, this would probably be the region code of #CWI. Next comes the state code of WI. Then we get the country code of USA, followed by the continent code of NOAM, for North America.

Naturally, other users can and do receive mail on my BBS if they'd like. Let's say I have a user of WX9ABC. This operator's address would be WX9ABC@KB9ALN.#GRB.WI.USA.NOAM

Here's one for you to figure out. VE3ABCD@VE3DEFG.#WONT.ONT.CA.NOAM The addressee is VA3ABCD. He or she gets mail at the VE3DEFG BBS in Western Ontario, Canada, in North America. If you wanted to send mail to this person, you would type the line:

S VE3ABCD@VE3DEFG.#WONT.ONT.CA.NOAM

Then the BBS would prompt you for a subject, and once you entered it, you'd be prompted to enter the message and instructed how to close it.

Flood Messages (AKA Bulletins)

Flood messages, commonly referred to as Bulletins, are special cases that require special addressing. Instead of sending a message to a particular person, you are intending to reach a group of people over a wide area. Addressing such messages takes a different syntax.

The general rule of thumb is to address it to a subject or topic of interest, @ (at) the area or destination you want to reach. If you type this to send a message:

S SALE@ALLUSA - you are directing this message to people interested "for sale" items all over the United States (ALLUSA). If you type this:

S SALE@WW - you are sending a "for sale" message all over the world. S SALE@ALLWI - sends a "for sale" message all over Wisconsin.

The general rule of thumb is to send it as topic@destination. You can also send a message to all users of a particular BBS. Typing this on a BBS:

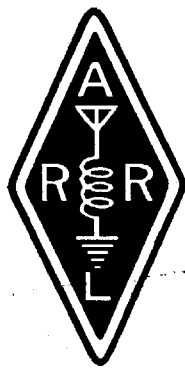
S ALL@KB9ALN.#GRB.WI.USA.NOAM - will send a message to all users of the KB9ALN BBS.

Common Mistakes:

One mistake I frequently see is KEPS@AMSAT. AMSAT is not a destination, it is an organization. It is far better to send it to KEPS@ALLUSA, or perhaps AMSAT@ALLUSA. Of course, @WW or @ALLWI are valid, too, depending on where you want your flood message to go.

Another common mistake is really not so much of a mistake as a cause for confusion. BBSs will often list message categories you can view, and some of them will not make any sense, or be variations of others already on the BBS.

For example, 4SALE and SALE are the same thing - why not just use SALE? It's one fewer thing to type. The same goes for 6-MET, SIX-M, 50MHZ and 6METR - look on the BBS for other messages using one of these and select that topic. Perhaps, we'll achieve some kind of ad-hoc standardization if we stick to the most common abbreviations.

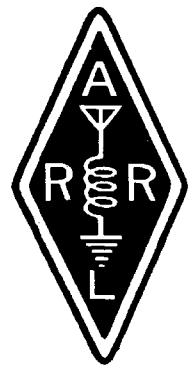


Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)

Club net: Sundays 8:00 p.m. on 147.315

Raymond J. Matlosz, N9MLZ, Secretary
450 W. 2nd St., Reedsburg, WI 53959-1500



The May 1, 2001 meeting of the Yellow Thunder Amateur radio Club was called to order at 7:42 p.m. by club president Steve Schulze, N9UD0 following the Fox Hunt.

Announcements: Flyers were received from the South Milwaukee Amateur Radio Club (with tickets) and the Peoria Area amateur radio club announcing their swapfests.

Minutes for the April meeting were approved as published in BSSS. There was no treasurer's report although there was no alarm expressed that the treasurer was reportedly in Florida "on vacation".

OLD BUSINESS: Zilch brunch was held April 22 with 6 people in attendance. No decision was made as to where and when the next brunch would be held, as there seemed to be other things going on in June. Circus Heritage Days will be Saturday May 19 from one to four at the fair grounds.

NEW BUSINESS: Sauk County ARES meeting May 17th at 7 p.m. Planning continued on the club's own swapfest in August which will be the club's fifth year. Discussions on a proposed balloon flight and maybe the club will be making some sort of financial contribution to the event. Memorial for Bob King was tabled.

FOX HUNT WINNER WAS STEVEN SCHULZE.

To sum this all up, the most common message types can be handled simply with a little forethought. One more message type requires a little more attention, and we'll discuss NTS messages next month. Until then, 73 from Andy.

N9UD0. Three teams participated with two foxes to be found. A fun time was had by almost all (one team had equipment problems and didn't seem to be pleased, but I could be wrong).

The meeting was adjourned at 8:48 p.m.

NEXT MEETING: Tuesday June 5, 2001 at 7:30 p.m. room 18 Baraboo Civic Center.

Respectively submitted:

Raymond J Matlosz, N9MLZ
Club Secretary

The following Members were present:

David Spearing	KB9CSW	Portage
Maurey Gurgel	KA9TBU	Reedsburg
Leonard Wagner	N9XJG	Baraboo
Duane Grotophorst	N9DG	North Freedom
Jim Paul	N9LKY	Baraboo
Bill Hommel	KA9QFJ	Baraboo
Steve Schulze	N9UD0	Baraboo
Raymond Matlosz	N9MLZ	Reedsburg
Thomas Harrison	N9PQJ	Reedsburg

and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html> or
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 00605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, WIAW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2001 test fee at \$10.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.phtml>

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to kebneter@palacenet.net.

See last month's BSSS for more information on the above examination test dates and sites.

THE TEST POINT

(continued from page 3)

November 17, 2001	Cottage Grove, MN
November 20, 2001	Sheboygan, WI
November 24, 2001	Bloomington, MN
November 24, 2001	Milwaukee, WI (MRAC)
December 01, 2001	Oshkosh (Omro), WI
December 01, 2001	St. Paul, MN
December 01, 2001	Adams, WI
December 01, 2001	Racine, WI
December 07, 2001	Sioux City, IA
December 08, 2001	Madison, WI
December 08, 2001	Blaine, MN
December 13, 2001	Apple Valley, MN
December 15, 2001	Milwaukee, WI (BE)
December 15, 2001	Loves Park, IL
December 15, 2001	Cottage Grove, MN
December 15, 2001	La Crosse, WI
December 18, 2001	Eden Prairie, MN
December 22, 2001	Bloomington, MN
January 26, 2002	Appleton, WI
Monthly, 1st Sat.	Oshkosh (Omro), WI
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Blaine, MN
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI (MRAC)
(except December)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

GENERAL RULES FOR MOST EXAMINATIONS

Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walk-ins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely

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SWAPFESTS



**29th ANNUAL MIDWINTER
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Michael L. Placko, KB9SCH
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MADISON SWAPFEST
April 8, 2001

Mandt Community Center
400 Mandt Parkway • Stoughton, WI
Doors open at 8 a.m.

Sponsored by MARA/W9HSY
P. O. Box 8890 Madison, WI 53708-8890
Swapfest Information Line: (608) 245-8890

**SOUTH MILWAUKEE AMATEUR RADIO CLUB
SWAPFEST 01**

2001 ♦ July 7
(Held every July)

American Legion Park
Shepard Avenue • Oak Creek, WI
(414) 762-3235 Extension: Ask for Verne
P. O. Box 102 South Milwaukee, WI 53172

SEWFARS SWAPFEST

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Lake County Fairgrounds / Grayslake, Illinois
Radio, Electronic, Computer Swapfest

North Shore Radio Club / Box 1066 Highland Park, IL / 60035

Eau Claire Amateur Radio Club
HAMFEST 2001
Saturday, June 9, 2001

For Information Contact:
Jim Staats KG9RA at 715-838-9108
P.O. Box 1867 Eau Claire, WI 54702-1867
<http://www.ecarc.org> w9eau@ecarc.org

Ozaukee Radio Club
**23RD ANNUAL RADIO AND
COMPUTER SWAPFEST**
Saturday, May 5, 2001

8 a.m. to 1 p.m. • Circle B Recreation Center
Intersection of Highway 60 and County I
Exams by Badger Examiners, c/o Gary Sharbuno,
5119 W. Willow Rd., Brown Deer, WI 53222
Swapfest sponsored by the Ozaukee Radio Club
W55 N865 Cedar Ridge Drive • Cedarburg, WI 53012

Circus City Swapfest

Sponsored by The Yellow Thunder Amateur Radio Club
Saturday August 11, 2001 • 7 am - Noon
Sauk County Fairgrounds • Baraboo, WI

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\$4 - Advanced
\$5 - At Gate
8 Foot Tables - \$5

Steve Schulze, N9UD0 (608)356-2313
<http://www.qsl.net/yarc/hamfest.htm>
Bill Klinkner, N9KXX (608)643-6908/643-6453

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